III. *An Account of the probable Cauſes of the Pain in Rheumatiſms; as alſo of the Cure of a total Suppreſſion of Urine, not cauſed by a Stone, by the uſe of Acids; as communicated by Dr.* Edward Baynard, *Fellow of the Colledge of Phyſicians,* London.

THIS Ingenious Phyſician was always of the Opinion, that the Pains in a Rheumatiſm were not cauſed from any Saline or Acid Particles in the Blood, *&c.* but rather from its Clammineſs and Denſity extending the Channels through which it paſſes, which Extenſion produces thoſe ſharp and pungent Pains which Rheumatiſmatick Perſons ſo generally complain of; for although the proper Coats of the Veins and Arteries ſeem to be indolent in themſelves, yet thoſe thin Membranes which obſide them are moſt exquiſite of Senſe, and full of *Lymphæ-ducts*, which being dilated and ſtretch'd, cauſe an Inflammatory Symptomatical Fever, with continual Sweats; the Blood being Glutinous and Seizy, as in Quinſies and Pleuriſies, and all other Inflammatory Diſtempers. The Fever being increaſed by the great ſtore of Alkalial Corroſive Salts lodging in the Blood, cauſing Thirſt, *&c.* and not diluted and waſh'd off by Urine, which Urine is always thick, turbid, and high-colour'd, and almoſt, if not totally devoid of any Saline Impregnations. To prove which, he ſent ſix Quarts of a ſtrong Man's Urine in the heighth of a Rheumatiſm, to that Ingenious Artiſt Mr. *George Moult*, who Chymically Anatomiz'd it, and found not above the Thirtieth Part of thoſe Salts, uſually found in ſuch a quantity of the Urine of a ſound Perſon.

Another

Another Experiment of Dr. *Baynard*'s was this, *viz.* Mr. *Banniſter*, an Apothecary in *Old Fiſh-ſtreet*, *London*, deſired the Doctor to viſit a Servant of his, who for ſeven or eight days laboured under a total Suppreſſion of Urine. Upon which, he ſuppoſing it might proceed from ſome Stone fallen upon the Neck of the Bladder, bid him ſend to Mr. *Charles Bernard*, an Eminent Surgeon, to try his Catheter, which accordingly he did, but found not the leaſt appearance of any Stone there, nor a drop of Water in his Bladder; whereupon the Doctor ſuppoſing that it might be the ſame Caſe, of which that moſt Learned Prelate, Dr. *Wilkins*, late Biſhop of *Cheſter* dyed, cauſed the Patient to take a quantity of Acids in a convenient Vehicle, upon which Secretion being preſently made, he immediately urined in great quantity, and was thereby reſtored to his Health.

The like Experiment was made on a Gentleman, a Member of this preſent Parliament, by Dr. *Baynard* and Dr. *Cole*, where the aforeſaid Mr. *Charles Bernard* had tryed the Catheter, and found it the Apothecary's Caſe, who was by the uſe of Acids reſtored to his Health: And in ſeveral Caſes ſince he has found it to anſwer with great ſucceſs.

In another Caſe where the ſaid Mr. *Banniſter* was concerned as an Apothecary, in a great Suppreſſion of Urine, and after many Medicines given in vain and to no purpoſe, he propoſed Dr. *Baynard*'s Method, which cauſed the Patient to Urine preſently, and he was alſo reſtored to his Health.